



Freight Planning Fact Sheet

Port of Redwood City

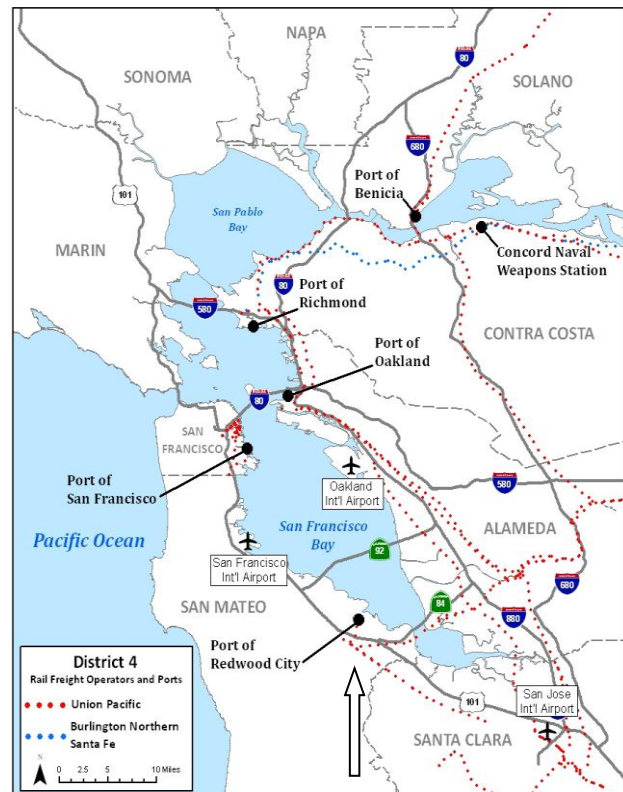
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The Port of Redwood City (Port) is located in San Mateo County, approximately 25 miles southeast of San Francisco, on the east banks of Redwood Creek. It is the only deepwater port in South San Francisco Bay. The Port is located between San Francisco and the rapidly growing, high-technology center referred to as Silicon Valley.

Established by the Redwood City (City) Charter in 1937, the Port is owned by the City of Redwood, is self-supporting, and receives no tax dollars support. Approximately 75 percent of Port's revenue is from marine activities and the remainder is from rent and commercial leases. About 10 percent of the Port's revenues are given to the City annually.

The Port offers many recreational opportunities, has public access to the San Francisco Bay, and has significant expanses of natural habitat area in its immediate proximity.

The Port handles mostly dry-bulk, neo-bulk, bulk, liquid, and specialized cargo. Land uses at the Port mainly consist of handling, processing, storage and transportation of imported construction materials, scrap metal exports, construction debris for recycling, and chemicals. The Port is home to the U.S. Geological Service vessel, Polaris, which conducts research on seismic conditions, water quality, and geology in the Bay Area.



PORT INFRASTRUCTURE

Channel Depth	30' MLLW*
Deepwater Berths	3
Wharves	5
Acres	120 (70 maritime)
Acres for Expansion	9
Waterfront	1+ mile
Rail	On site

*MLLW – Mean Lower Low Water

PORT TRADE CHARACTERISTICS

TRADE PARTNERS

China
Korea
Japan
Mexico
Australia

IMPORTS

Aggregates
Sand
gypsum
Sand

EXPORTS

Iron scrap

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PORT STATISTICS

- Fastest growing “small” bulk port in California.
- The Port is predicted to grow by 30 percent between 2005 and 2035 due to increased population driving up construction needs in the immediate area.
- 70 vessels (51 ships and 19 barges) made calls to the port in fiscal year (FY) 2013 compared to 74 vessels (48 ships and 26 barges) in FY 2012.
- The Port handled 1.4 million metric tons of dry bulk cargo in FY 2012/13.
- The Port is ranked second in the State in volume of dry bulk tonnage handled in FY 2012/13.

MARINE HIGHWAY-5 (M-5) CORRIDOR

- In 2012, the Marine Administration financed the M-5 study which examined the potential for a marine highway along the three contiguous Pacific Coast States – California (CA), Oregon (OR) and Washington (WA), that will parallel the Interstate 5 corridor and provide an alternative for trucks and rail along this heavily congested corridor. The corridor includes the Pacific Ocean coastal waters, connecting commercial navigation channels, ports, and harbors from San Diego, CA to the US-Canada border north of Seattle, WA. It would also include the M-84 Corridor at Astoria, OR, and the M-580 Connector at Oakland; CA. Redwood City has expressed an interest in marine highway services.

MAJOR PORT PROJECTS

- Redwood City Harbor Operations and Maintenance Project (channel dredging)
- Wharves 1 and 2 Rehabilitation Project - Upgrade existing wharves to support dry bulk materials.

PLANNING DOCUMENTS AND STUDIES

- Bay Area Plan 2040 – Metropolitan Transportation Commission (MTC), Associated Bay Area Governments (ABAG), Bay Area Air Quality Management District (BAAQMD), San Francisco Bay Conservation and Development Commission (BCDC), March 2011

- San Francisco Bay Area Seaport Plan, BCDC, April 18, 1996, amended through January 2007
- Growth of California Ports: Opportunities and Challenges, California Marine and Intermodal Transportation Advisory Council, April 2007
- Redwood City General Plan, adopted October 2010
- San Francisco Bay Area Water Emergency Transportation Authority Emergency Water Transit Plan (2007) – Port is strategically located between the Dumbarton Bridge and the San Mateo Bridge. Building a Redwood City ferry terminal would be a crucial transit link. This \$1.6 billion project features 88 new vessels and multiple portable piers.
- Strategic Assessment of Maritime Business, Port of Redwood City, February 2008
- San Francisco Bay Plan, BCDC, Amended October 6, 2011

MAJOR PORT ISSUES

- Channel drafts are as low as 26’ due to constant silting and tides forcing vessels to light load and top off at other ports
- Channel dredging – no clearly defined funding or schedule
- Poor truck and highway access
- Limited intermodal road and rail access
- Lack of diversification - no break bulk or containerized cargo
- Building materials demand down due to poor economy
- Bulk commodities need to be under cover
- Competition from ports with deeper channels
- Encroachment by adjacent residential, commercial and recreational development that could restrict operations and expansion.
- Limited funding to maintain infrastructure
- The 30’ channel depth and the height restrictions on the San Mateo Bridge (135’) place limits on the size of vessels that can access the Port.
- Insufficient land and infrastructure (shore cranes and warehouses) to handle break bulk cargo

CALTRANS FOCUS AREAS

- Community environmental concerns

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- Improved truck access
- Increased auto traffic from salt works land development
- US 101 bottleneck issues – construction of a new Woodside Road/Seaport Boulevard interchange at US 101, a critical bottleneck, is included in the Plan Bay Area 2040 update

SURFACE TRANSPORTATION NETWORK

- Direct port access: US-101
- Overweight truck corridor: US-101
- Nearby routes: SR 84, SR 92, and I-880

INTERMODAL CONNECTIONS

TRUCKING

- Truck access to the Port is along Frontage Road and Seaport Boulevard
- Imported construction materials, due to their low value and highway trucking costs, will not likely move to other ports, since they are consumed in the immediate area

RAIL

- Union Pacific Railroad (Class 1)
- Tracks run along boundary of the Port property

- Port owns and maintains the tracks on the Port property

RAIL ISSUES

- Existing rail volumes are low because the Port cannot handle large trains and current trucking costs are far less expensive than rail for shippers.

KEY PLANNING & PARTNER AGENCIES

- Metropolitan Transportation Commission
- City/County Association of Governments of San Mateo County
- San Francisco Bay Area Water Emergency Transportation Authority
- Ports of San Francisco, Stockton, Richmond
- Bay Conservation and Development Commission
- Association of Bay Area Governments
- Bay Area Air Quality Management District
- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- U.S. Maritime Administration
- U.S. Fish and Wildlife Service
- Caltrans

SOURCES AND ADDITIONAL INFORMATION

- American Association of Port Authorities: <http://www.aapa-ports.org/home.cfm>
- BAAQMD: <http://www.baaqmd.gov/>
- Bay Area Plan 2040: http://www.onebayarea.org/pdf/Plan_Bay_Area_Report.pdf
- City /County Association of Governments of San Mateo County: <http://www.ccag.ca.gov/>
- California Air Resource Board: <http://www.arb.ca.gov>
- California Ports: <http://www.californiaports.org/>
- Expanding Short Sea Shipping in California: *Environmental Impacts and Recommended Best Practices*, John Kaltenstein, San Francisco Foundation and Friends of the Earth, 2010. http://libcloud.s3.amazonaws.com/93/b9/8/260/1/Short_Sea_Shipping.pdf
- Goods Movement Land Use Project for San Francisco Bay Area, December 2008, MTC. http://www.mtc.ca.gov/planning/rgm/final/Final_Summary_Report.pdf
- Growth of California Ports: Opportunities & Challenges, California Marine and Intermodal Transportation System Advisory Council, 2007 http://hydra.usc.edu/scehsc/web/Resources/Reports%20and%20Publications/CALMITSAC%20Report_California%20Ports_4-2007.pdf
- Maritime Administration: : http://www.marad.dot.gov/documents/MarineHighway_Initiative_Descriptions_Designated.pdf
- MTC : <http://www.mtc.ca.gov/>

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- San Francisco Bay Area Seaport Plan, MTC and San Francisco Bay Conservation and Development Commission, January 2007: <http://www.bcdc.ca.gov/pdf/planning/plans/seaport/seaport.pdf>
- San Francisco Bay Area Water Emergency Transportation Authority: <http://www.bcdc.ca.gov/>
- Strategic Assessment of Maritime Business, Port of Redwood City, February 2008: http://www.redwoodcityport.com/Reports/TranSystems_Report_02_01_08.pdf
- Water Quality of San Francisco Bay, U.S. Geological Survey: <http://sfbay.wr.usgs.gov/access/wqdata/index.html>
- World Port Source: http://www.worldportsource.com/ports/index/USA_CA.php